

B1068, B1073 ASSIST A/B MODULE

Description

For front passenger air bag module, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front passenger air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front passenger air bag module is installed on the instrument panel with fixed bolts.

DTC DETECTION LOGIC

| DTC | Display item | Malfunction detected condition | Possible cause |
|----------------|---------------------------------|---|--|
| B1068 B1073 | ASSIST A/B MODULE [SHORT] | Front passenger air bag module circuits are shorted to each other | <ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front passenger air bag module • Internal breakdown in air bag diagnosis sensor unit |

DTC CONFIRMATION PROCEDURE

1).INSPECTION START

Turn ignition switch ON.

2).CHECK SELF-DIAG RESULT

A).Check the screen of CONSULT-III.

B).Is malfunctioning part detected?

YES >> Refer to SRC-69, "Diagnosis Procedure".

NO >> INSPECTION END.

3).INSPECTION START

Turn ignition switch ON.

4).CHECK AIR BAG WARNING LAMP

A).Check the air bag warning lamp status.

B).Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.

NO >> INSPECTION END.

Diagnosis Procedure

1).CHECK HARNESS CONNECTOR

A).Check the connection of harness connector.

B).Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2).CHECK WIRING HARNESS

A).Check the wiring harness externals.

B).Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3).CHECK FRONT PASSENGER AIR BAG MODULE

A).Replace front passenger air bag module.

B).Check the screen of CONSULT-III.

C).Is the inspection result normal?

YES >> INSPECTION END.

NO >> Check the intermittent incident.